

CORRES. CONTROL
INCOMING LTR NO.

430L RF 92

DATE

ACTION

DIST. LTR ENC

BENJAMIN, A.		
BERMAN, H.S.		
BRADY, J.A.		
BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
CORDOVA, R.C.		
DAVIS, J.G.		
EVERED, J.E.		
FERRERA, D.W.		
GOODWIN, R.		
HANNI, B.J.		
HEALY, T.J.		
HILBIG, J.G.		
IDEKER, E.H.		
KERSH, J.M.	X	X
KIRBY, W.A.		
KRIEG, D.		
KUESTER, A.W.		
LEE, E.M.		
MARX, G.E.		
MORGAN, R.V.	X	X
PIZZUTO, V.M.		
POTTER, G.L.		
SANDLIN, N.B.		
SATTERWHITE, D.G.		
SCHUBERT, A.I.		
SHEPLER, R.L.		
SULLIVAN, M.T.		
SWANSON, E.R.		
TAN, K.G.		
WILSON, R.B.		
WILSON, J.M.		
ZANE, J.O.		

Ferrier D X X

CORRES CONTROL
TRAFFIC

Reviewed for Addressee
Corres. Control RFP

8-4-92

DATE BY

11. #

Department of Energy

ROCKY FLATS OFFICE
P.O. BOX 928
GOLDEN, COLORADO 80402-0928

AUG 12 1992

AUG 19 1992

92-DOE-8893

Mr. Martin Hestmark
U. S. Environmental Protection Agency, Region VIII
ATTN: Rocky Flats Project Manager, 8HWM-RI
999 18th Street, Suite 500, 8WM-C
Denver, CO 80202-2405

Mr. Gary Baughman
Hazardous Waste Facilities Unit Leader
Colorado Department of Health
4210 East 11th Avenue
Denver, CO 80220

Gentlemen:

Enclosed is a brief description of the Colloid Polishing Filter Method (CPFM) Technology Demonstration being proposed to treat water at the Operable Unit (OU) 4 Interim Measure/Interim Remedial Action (IM/IRA)

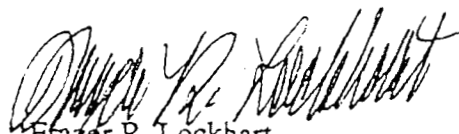
As discussed in our meeting on July 13, 1992, we propose that this demonstration be included as part of the Interagency Agreement (IAG) Sitewide Treatability Studies.

We request your direction with respect to the potential Land Disposal Restriction (LDR) issue of placement of the Interceptor Trench System (ITS) water. ITS water will be pumped from one of the surge tanks, through the CPFM and then returned to the same tank. Please see the CPFM technology description attached to this letter for clarification.

We believe that permitting, public comment, and LDR issues should be satisfied through the IAG Sitewide Treatability Studies.

Please contact Scott Surovchak at 966-3551 if you have any questions.

Sincerely,



Fraser R. Lockhart
Director
Environmental Restoration Division

EC&C
ROCKY FLATS PLANT
CORRESPONDENCE CONTROL

AUG 14 10 16 AM '92

000007024

M. Hestmark & G. Baughman
92-DOE-8893

2

AUG 12 1992

Enclosure

cc:

J. Ciocco, EM-453

J. Lehr, AMEM, RFO

D. Ferrier, EG&G

F. Dowsett, CDH

N. Matsuura, CDH

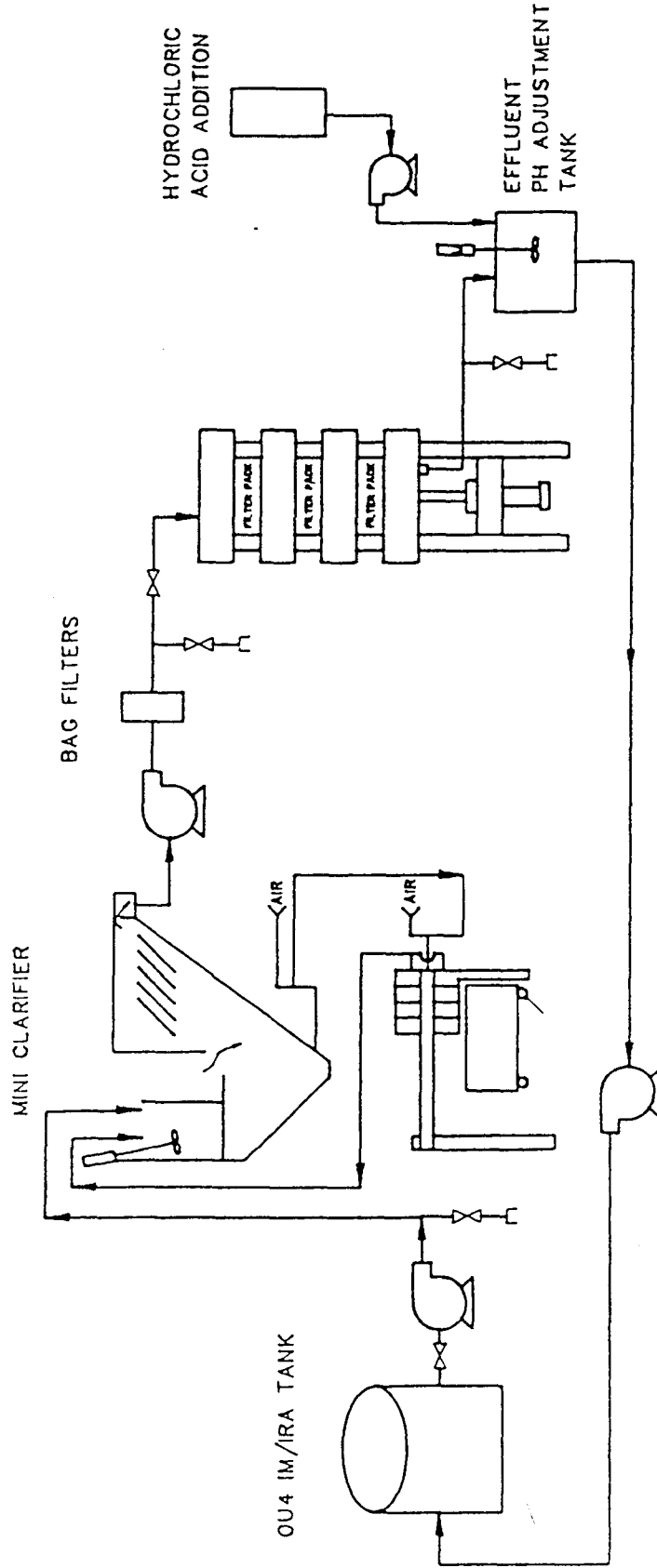
H. Ainscough, CDH

CPFM PROCESS DESCRIPTION

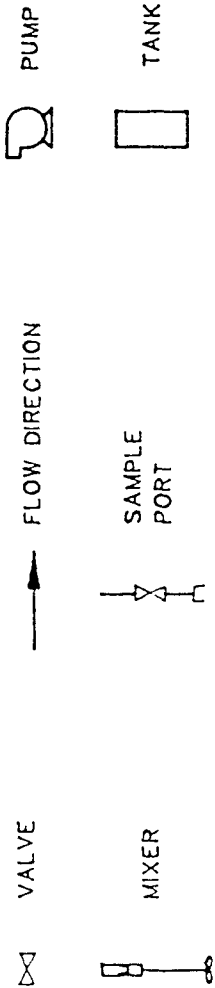
The Colloid Polishing Filter Method (CPFM) field unit will be used for the demonstration at Rocky Flats Plant (RFP). The field unit is designed to process up to 50 gallons per minute (gpm), but will only require 5 to 15 gpm at the OU4 IM/IRA. For the first four runs of the demonstration, approximately 7,200 gallons of OU4 IM/IRA water will be needed. A fifth breakthrough run is also desired and would require 6,600 gallons of OU4 IM/IRA waters.

The field unit will be mounted on a 30 foot trailer and parked adjacent to the OU4 IM/IRA holding tanks. Water from one of the 500,000 gallon OU4 IM/IRA holding tanks will be pumped into the CPFM process flow (see Figure 3-1), treated by the system using an oxide-based granular filter media, and pumped back into the same 500,000 gallon OU4 IM/IRA holding tank.

A filter cake waste will be produced by this process. Preliminary calculations estimate 100 gallons (approximately 850 pounds) of filter cake will be produced. The stabilized filter cake will be stored in two 55-gallon drums analyzed and characterized in accordance with RFP waste analysis criteria (WAC) and stored on-site or shipped to an EPA- and DOE-approved storage facility.



LEGEND



SITE CPFM DEMONSTRATION
 ROCKY FLATS PLANT - GOLDEN, COLORADO

FIGURE 3-1
 CPFM PROCESS
 FLOW DIAGRAM

PRC ENVIRONMENTAL MANAGEMENT, INC.